

| L Number | Hits | Search Text | DB | Time stamp |
|----------|------|---|---|---------------------|
| - | 27 | "5232299" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/08/31 11:16 |
| - | 4 | ((("5232299") or ("4203044") or ("3679483") or ("3342336"))).PN. | USPAT | 2004/08/31 11:24 |
| - | 4 | ((("5232299") or ("5203044") or ("3679483") or ("3342336"))).PN. | USPAT | 2004/09/01 07:29 |
| - | 1 | "20020134117" and ball | US-PGPUB | 2004/09/01 07:30 |
| - | 6391 | (ball joint) and 239/\$.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 07:31 |
| - | 208 | ("ball joint") and 239/\$.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 07:37 |
| - | 5 | ((("pivot joint" or "ball joint") near25 (storage or store or "in use" or using)) and 239/\$.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 07:40 |
| - | 3 | ((("pivot joint" or "ball joint") near25 (storage or store or "in use" or using)) and 239/\$.ccls. | USOCR | 2004/09/01 07:43 |
| - | 5 | ((("pivot joint" or "ball joint" or universal) near25 (storage or store or "in use" or using)) near25 (wand or lance or nozzle or sprayer) | USOCR | 2004/09/01 07:44 |
| - | 35 | ((("pivot joint" or "ball joint" or universal) near25 (storage or store or "in use" or using)) near25 (wand or lance or nozzle or sprayer) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 07:48 |
| - | 83 | ((("pivot joint" or "ball joint" or universal) near25 (wand or lance or nozzle or sprayer))same (storage or store or "in use" or using) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 07:54 |
| - | 18 | ((("pivot joint" or "ball joint" or universal) near25 (wand or lance or nozzle or sprayer)) and (4/\$.ccls. or 312/228.1.ccls. or 312/228.ccls.) | USOCR | 2004/09/01 08:06 |
| - | 23 | ((("pivot joint" or "ball joint" or universal) near25 (wand or lance or nozzle or sprayer)) and (4/\$.ccls. or 312/228.1.ccls. or 312/228.ccls.) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 08:11 |
| - | 385 | ((("pivot joint" or "ball joint" or universal) near25 (wand or lance or nozzle or sprayer)) and (wash or washing or clean or cleaning) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 08:16 |
| - | 101 | ((("pivot joint" or "ball joint" or universal) near35 (wand or lance or nozzle or sprayer)) and ((spraying or spotting or spotter or wash or washing or clean or cleaning or decontaminating or disinfecting or launder or laundering) same (sink or basin or tub or vessel or tank)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:22 |
| - | 82 | ((("pivot joint" or "ball joint" or universal) near35 (wand or lance or nozzle or sprayer)) and ((spraying or spotting or spotter or wash or washing or clean or cleaning or decontaminating or disinfecting or launder or laundering) same (sink or basin or tub or vessel or tank)) | USOCR | 2004/09/01 08:22 |

| | | | | |
|---|--------|---|---|---------------------|
| - | 323 | ((ball or "pivot joint" or "ball joint" or universal) near35 (wand or lance or nozzle or sprayer)) and ((spraying or spotting or spotter or wash or washing or clean or cleaning or decontaminating or disinfecting or launder or laundering) same (sink or basin or tub or vessel or tank)) | USOCR | 2004/09/01 09:28 |
| - | 584 | ((ball or "pivot joint" or "ball joint" or universal) near35 (wand or lance or nozzle or sprayer)) and ((spraying or spotting or spotter or wash or washing or clean or cleaning or decontaminating or disinfecting or launder or laundering) same (sink or basin or tub or vessel or tank)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 09:15 |
| - | 105 | ((ball near5 socket) or "pivot joint" or (ball adj5 joint) or universal) near35 (wand or lance or nozzle or sprayer)) and ((spraying or spotting or spotter or wash or washing or clean or cleaning or decontaminating or disinfecting or launder or laundering) same (sink or basin or tub or vessel or tank)) | USOCR | 2004/09/01 09:16 |
| - | 142 | ((ball near5 socket) or "pivot joint" or (ball adj5 joint) or universal) near35 (wand or lance or nozzle or sprayer)) and ((spraying or spotting or spotter or wash or washing or clean or cleaning or decontaminating or disinfecting or launder or laundering) same (sink or basin or tub or vessel or tank)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 09:28 |
| - | 176679 | (("ball joint" or (ball adj5 socket) or "pivot joint" or (ball adj5 joint) or (pivot adj5 joint)) near35 ("spray nozzle" or wand or lance or nozzle or sprayer)) (134/\$.ccls. or 4/\$.ccls. or 15/\$.ccls. or 68/\$.ccls.) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 09:32 |
| - | 92 | (("ball joint" or (ball adj5 socket) or "pivot joint" or (ball adj5 joint) or (pivot adj5 joint)) near35 ("spray nozzle" or wand or lance or nozzle or sprayer)) and (134/\$.ccls. or 4/\$.ccls. or 15/\$.ccls. or 68/\$.ccls.) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 09:33 |
| - | 51 | (("ball joint" or (ball adj5 socket) or "pivot joint" or (ball adj5 joint) or (pivot adj5 joint)) near35 ("spray nozzle" or wand or lance or nozzle or sprayer)) and (134/\$.ccls. or 4/\$.ccls. or 15/\$.ccls. or 68/\$.ccls.) | USOCR | 2004/09/01 09:33 |
| - | 233 | (("ball joint" or (ball adj5 socket) or "pivot joint" or (ball adj5 joint) or (pivot adj5 joint)) near35 ("spray nozzle" or wand or lance or nozzle or sprayer)) and (134/\$.ccls. or 4/\$.ccls. or 15/\$.ccls. or 68/\$.ccls. or 239/\$.ccls.) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:23 |
| - | 139 | (("ball joint" or (ball adj5 socket) or "pivot joint" or (ball adj5 joint) or (pivot adj5 joint)) near35 ("spray nozzle" or wand or lance or nozzle or sprayer)) and (134/\$.ccls. or 4/\$.ccls. or 15/\$.ccls. or 68/\$.ccls. or 239/\$.ccls.) | USOCR | 2004/09/01 11:07 |
| - | 58 | ((ARTICULATED) near35 ("spray nozzle" or wand or lance or nozzle or sprayer)) and (134/\$.ccls. or 4/\$.ccls. or 15/\$.ccls. or 68/\$.ccls. or 239/\$.ccls.) | USOCR | 2004/09/01 11:08 |
| - | 230 | ((ARTICULATED) near35 ("spray nozzle" or wand or lance or nozzle or sprayer)) and (134/\$.ccls. or 4/\$.ccls. or 15/\$.ccls. or 68/\$.ccls. or 239/\$.ccls.) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:21 |

| | | | | |
|---|------|--|---|---------------------|
| - | 1536 | "WASHING MACHINE" SAME ("spray nozzle" or wand or lance or nozzle or sprayer) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:24 |
| - | 93 | "WASHING MACHINE" SAME ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USOCR | 2004/09/01 11:35 |
| - | 48 | "WASHING MACHINE" SAME ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:35 |
| - | 182 | "WASHING MACHINE" AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USOCR | 2004/09/01 11:35 |
| - | 213 | "WASHING MACHINE" AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:36 |
| - | 249 | (68/\$. CCLS. OR 8/\$.CCLS. OR "WASHING MACHINE") AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:37 |
| - | 203 | (68/\$. CCLS. OR 8/\$.CCLS. OR "WASHING MACHINE") AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USOCR | 2004/09/01 11:37 |
| - | 285 | (68/\$. CCLS. OR 8/\$.CCLS. OR "WASHING MACHINE") AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (PIVOTED OT PIVOTING OT PIVOT OR ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USOCR | 2004/09/01 11:37 |
| - | 280 | (68/\$. CCLS. OR 8/\$.CCLS. OR "WASHING MACHINE") AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (PIVOTED OT PIVOTING OT PIVOT OR ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/01 11:44 |
| - | 1333 | (68/\$. CCLS. OR 8/\$.CCLS. OR "WASHING MACHINE" OR DISHWASHER OR 134/\$.CCLS.) AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR20 (PIVOTED OR PIVOTING OR PIVOT OR ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 06:07 |
| - | 679 | (68/\$. CCLS. OR 8/\$.CCLS. OR "WASHING MACHINE" OR DISHWASHER OR 134/\$.CCLS.) AND ("spray nozzle" or wand or lance or nozzle or sprayer) NEAR25 (PIVOTED OT PIVOTING OT PIVOT OR ARTICULATED OR MOVABLE OR ADJUSTABLE OR "BALL JOINT" OR (BALL NEAR6 JOINT) OR "BALL SOCKET" OR (BALL NEAR6 SOCKET)) | USOCR | 2004/09/02 07:08 |

| | | | | |
|---|-----|--|---|---------------------|
| - | 15 | ((("0927549") or ("3173730") or ("3342336") or ("3577214") or ("3611456") or ("3679483") or ("4591485") or ("4686123") or ("4906318") or ("5203044") or ("5232299") or ("5381574") or ("6391061") or ("6376444") or ("6482242")).PN. | USPAT | 2004/09/02 07:25 |
| - | 0 | ecthing same ((nozzle or jet or spray) near15 (sonic or ultrasonic or megasonic)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 07:26 |
| - | 0 | ecthing same ((nozzle or jet or spray) near15 (sonic or ultrasonic or megasonic)) | USOCR | 2004/09/02 07:26 |
| - | 13 | (etching or etch) same ((nozzle or jet or spray) near15 (sonic or ultrasonic or megasonic)) | USOCR | 2004/09/02 07:28 |
| - | 172 | (etching or etch) same ((nozzle or jet or spray) near15 (sonic or ultrasonic or megasonic)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 07:45 |
| - | 3 | (washing machine) near55 "partial wash" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 07:45 |
| - | 319 | ("washing machine") same ("partial wash" or prewash or prespot or prespotter or prespotted or spot) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 07:47 |
| - | 143 | ("washing machine") same ("partial wash" or prewash or prespot or prespotter or prespotted or "spot clean") | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 07:59 |
| - | 0 | ("washing machine") same "partial adj5 wash" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 07:59 |
| - | 0 | ("washing machine") and "partial adj5 wash" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 07:59 |
| - | 28 | ("washing machine") same ("partial wash" or prewash or prespot or prespotter or prespotted or "spot clean") | USOCR | 2004/09/02 07:59 |
| - | 44 | ("washing machine") and ("partial wash" or prewash or prespot or prespotter or prespotted or "spot clean") | USOCR | 2004/09/02 08:02 |
| - | 58 | ("washing machine") and ((partial adj5 wash) or prewash or prespot or prespotter or prespotted or "spot clean") | USOCR | 2004/09/02 08:04 |
| - | 14 | ((("washing machine") and ((partial adj5 wash) or prewash or prespot or prespotter or prespotted or "spot clean")) not ((("washing machine") and ("partial wash" or prewash or prespot or prespotter or prespotted or "spot clean")) | USOCR | 2004/09/02 08:02 |
| - | 8 | ("dry cleaner") and ((partial adj5 wash) or prewash or prespot or prespotter or prespotted or "spot clean") | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 08:05 |
| - | 2 | ("dry cleaner") and ((partial adj5 wash) or prewash or prespot or prespotter or prespotted or "spot clean") | USOCR | 2004/09/02 08:17 |
| - | 3 | "04224793" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 08:23 |
| - | 0 | ((sonic or ultrasonic or megasonic) near15 (nozzle or jet or sprayer)) near25 ("ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USOCR | 2004/09/02 08:26 |

| | | | | |
|---|-----|--|---|---------------------|
| - | 1 | ((sonic or ultrasonic or megasonic) near15 (nozzle or jet or sprayer)) near25 ("ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 08:26 |
| - | 1 | ((sonic or ultrasonic or megasonic or vibration or oscillator or oscillated) near15 (nozzle or jet or sprayer)) near25 ("ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 08:27 |
| - | 3 | ((sonic or ultrasonic or megasonic or vibration or oscillator or oscillated) near25 (nozzle or jet or sprayer)) same ("ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 08:29 |
| - | 3 | ((sonic or ultrasonic or megasonic or vibration or oscillator or oscillated or vibrator) near25 (nozzle or jet or sprayer)) same ("ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 08:29 |
| - | 5 | ((supersonic or sonic or ultrasonic or megasonic or vibration or oscillator or oscillated or vibrator) near25 (nozzle or jet or sprayer)) same ("ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 08:30 |
| - | 34 | ((supersonic or sonic or ultrasonic or megasonic or vibration or oscillator or oscillated or vibrator) near25 (nozzle or jet or sprayer)) same ("ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USOCR | 2004/09/02 08:33 |
| - | 0 | ("wash tub" or (laundry near10 sink) or "laundry tub") same ((nozzle or jet or sprayer or facet or spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 11:15 |
| - | 4 | ("wash tub" or (laundry near10 sink) or "laundry tub") same ((nozzle or jet or sprayer or facet or spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted) | USOCR | 2004/09/02 11:17 |
| - | 4 | ("wash tub" or (laundry near10 sink) or "laundry tub") same ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted) | USOCR | 2004/09/02 11:18 |
| - | 0 | ("wash tub" or (laundry near10 sink) or "laundry tub") same ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 11:18 |
| - | 5 | 68/\$.ccls. and ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 11:48 |
| - | 71 | 68/\$.ccls. and ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted) | USOCR | 2004/09/02 11:51 |
| - | 118 | 68/\$.ccls. and ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USOCR | 2004/09/02 11:44 |

| | | | | |
|---|------|---|---|---------------------|
| - | 71 | 68/\$.ccls. and ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted) | USOCR | 2004/09/02 11:44 |
| - | 0 | | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 11:45 |
| - | 0 | | USOCR | 2004/09/02 11:45 |
| - | 47 | (68/\$.ccls. and ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket))) not (68/\$.ccls. and ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted)) | USOCR | 2004/09/02 11:51 |
| - | 36 | 68/\$.ccls. and ((nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 11:51 |
| - | 203 | 239/\$.ccls. and (((sprayer or nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted)) | USOCR | 2004/09/02 12:02 |
| - | 180 | 239/\$.ccls. and (((sprayer or nozzle or jet or sprayer or faucet spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 12:03 |
| - | 180 | 239/\$.ccls. and (((sprayer or nozzle or jet or sprayer or faucet or spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 12:29 |
| - | 56 | 4/\$.ccls. and (((sprayer or nozzle or jet or sprayer or faucet or spigot) same "ball joint" or (ball adj5 joint) or (ball adj5 socket)) same (shift or pivot or pivoted or adjusted or store or stored or shifted)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 12:30 |
| - | 879 | ("wash tub" or (laundry near10 sink) or "laundry tub") | USOCR | 2004/09/02 12:35 |
| - | 1559 | ("wash tub" or (laundry near10 sink) or "laundry tub") | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 12:34 |
| - | 333 | ("wash tub" or (laundry near10 sink) or "laundry tub") and (nozzle or jet or sprayer or faucet or spigot) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 13:37 |
| - | 1 | ("6584634").PN. | USPAT | 2004/09/02 13:33 |
| - | 246 | ("wash tub" or (laundry near10 sink) or "laundry tub") and (nozzle or jet or sprayer or faucet or spigot) | USOCR | 2004/09/02 13:36 |
| - | 269 | ("wash tub" or (laundry near10 sink) or "laundry tub") and (spout or sprinkler or nozzle or jet or sprayer or faucet or spigot) | USOCR | 2004/09/03 06:14 |
| - | 78 | ("wash tub" or (laundry near10 sink) or "laundry tub") and (sprinkler or spout) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/02 13:37 |

| | | | | |
|---|-------|--|---|---------------------|
| - | 2 | "2154566" and pump | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 06:15 |
| - | 2 | "2154566" and (pump or recirculation or recirculate) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 06:15 |
| - | 2 | "2154566" and (pump or recirculation or recirculate) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 06:23 |
| - | 4 | "2154566" and pump | USOCR | 2004/09/03 06:33 |
| - | 4 | "2154566" and (pump or recirculate or recirculating or recirculation) | USOCR | 2004/09/03 07:12 |
| - | 473 | 68/184.ccls. | USOCR | 2004/09/03 07:13 |
| - | 174 | 68/184.ccls. and (sink or tub or basket) | USOCR | 2004/09/03 07:59 |
| - | 123 | 68/3ss.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 08:28 |
| - | 3 | "02005996" | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 08:39 |
| - | 5 | "4906318" | USPAT | 2004/09/03 08:39 |
| - | 39790 | ((sonic or ultrasonic or megasonic) near15 (nozzle or jet or sprayer or sprinkler or spout)) 162/\$.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 08:44 |
| - | 20 | ((sonic or ultrasonic or megasonic) near15 (nozzle or jet or sprayer or sprinkler or spout)) and 162/\$.ccls. | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 08:45 |
| - | 3 | ((sonic or ultrasonic or megasonic) near15 (nozzle or jet or sprayer or sprinkler or spout)) and 162/\$.ccls. | USOCR | 2004/09/03 08:51 |
| - | 2154 | ((sonic or ultrasonic or megasonic or supersonic) near15 (nozzle or jet or sprayer or sprinkler or spout or horn or amplifier or concentrator)) | USOCR | 2004/09/03 08:54 |
| - | 8 | ((sonic or ultrasonic or megasonic or supersonic) near15 (nozzle or jet or sprayer or sprinkler or spout or horn or amplifier or concentrator)) and ((washing or wash or clean or cleaning) near15 (ribbon or web or textiles or clothes or fabric or laundry or garments or clothing or web)) | USOCR | 2004/09/03 08:56 |
| - | 376 | ((sonic or ultrasonic or megasonic or supersonic) near15 (nozzle or jet or sprayer or sprinkler or spout or horn or amplifier or concentrator)) and ((washing or wash or clean or cleaning) near15 (ribbon or web or textiles or clothes or fabric or laundry or garments or clothing or web)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 10:12 |
| - | 1 | "20020134117" | US-PGPUB | 2004/09/03 09:26 |
| - | 1 | "20020134117" and slit | US-PGPUB | 2004/09/03 09:26 |
| - | 331 | ((sonic or ultrasonic or megasonic or supersonic) near15 (nozzle or jet or sprayer or sprinkler or spout or horn or amplifier or concentrator)) and ((washing or wash or clean or cleaning) near15 (yarn or filaments or strands or wire or fibre)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 10:14 |

| | | | | |
|---|-----|--|---|---------------------|
| - | 466 | ((sonic or ultrasonic or megasonic or supersonic) near15 (nozzle or jet or sprayer or sprinkler or spout or horn or amplifier or concentrator)) and ((washing or wash or clean or cleaning) near15 (flim or plastic or yarn or filaments or strands or wire or fibre)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 10:16 |
| - | 236 | ((sonic or ultrasonic or megasonic or supersonic) near15 (nozzle or jet or sprayer or sprinkler or spout or horn or amplifier or concentrator)) and ((washing or wash or clean or cleaning) near15 (flim or plastic or yarn or filaments or strands or wire or fiber) same (water or liquid or solution or chemical or detergent)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 10:18 |
| - | 511 | ((sonic or ultrasonic or megasonic or supersonic) near15 (nozzle or jet or sprayer or sprinkler or spout or horn or amplifier or concentrator)) and ((washing or wash or clean or cleaning) near15 (film or plastic or yarn or filaments or strands or wire or fiber) same (water or liquid or solution or chemical or detergent)) | USPAT; US-PGPUB; EPO; JPO; DERWENT | 2004/09/03 10:18 |